

***What is Claimed Is:***

1. A method of reinserting Vertical Blanking Interval data in a digital video signal comprising:
  - creating a gray scale palette in an On Screen Display memory;
  - sizing a Vertical Blanking Interval area in an On Screen Display memory;
  - locating a Vertical Blanking Interval area in an On Screen Display memory;
  - generating a Vertical Blanking Interval luma waveform bitmap; and
  - overlaying said Vertical Blanking Interval luma waveform bitmap in a digital video signal according to the gray scale palette, size and location data stored in the On Screen Display memory.
2. The method of claim 1 wherein said gray scale palette is stored between uses.
3. The method of claim 1 wherein size data is stored between uses.
4. The method of claim 1 wherein said location data is stored between uses.
5. The method of claim 1 wherein said digital video signal is an uncompressed signal from a digital video-broadcasting bitstream.
6. The method of claim 1 wherein said overlaying step is by summing a Vertical Blanking Interval luma waveform with the digital video signal.
7. The method of claim 1 wherein said video bitstream is configured according to MPEG protocols.
8. An On Screen Display processor for reinserting Vertical Blanking Interval data in a digital video signal comprising:
  - an On Screen Display controller;

a Vertical Blanking Interval waveform builder module configured to create a Video Blanking Interval Data bitmap;

an On Screen Display memory, said On Screen Display memory being configured to retain Vertical Blanking Interval position data, Vertical Blanking Interval size data and a Vertical Blanking Interval gray scale palette;

said On Screen Display controller being configured to receive the Vertical Blanking Interval waveform bitmap from said Vertical Blanking Interval waveform builder module and insert the Vertical Blanking Interval waveform bitmap into a digital video signal in operative communication with said On Screen Display controller, according to the position, size and gray scale data stored in said On Screen Display region memory.

9. The processor of claim 8 wherein said Video Blanking Interval Data gray scale palette remains stored in said On Screen Display memory between uses.
10. The processor of claim 8 wherein the Vertical Blanking Interval Data position data remains stored in said On Screen Display memory between uses.
11. The processor of claim 8 wherein the Vertical Blanking Interval Data size data remains stored in said On Screen Display memory between uses.
12. The processor of claim 8 wherein said On Screen Display Controller is configured to insert the Vertical Blanking Interval waveform bitmap by summing said waveform bitmap with the digital video signal.
13. The processor of claim 8 wherein the video bitstream into which the On Screen Display processor inserts the Vertical Blanking Data is configured according to MPEG protocols.